

ABSTRACT OF THE INVENTION

A game controller for communication between a user and an electronic game device transmitting signals to a receiver. The game controller identifies weakness in signal strength or operation and permits adjustment to a more effective operating frequency. The game controller comprises a portable housing, game controller keys attached to the housing for permitting the user to generate signals, a radio frequency sender engaged with the game controller keys for transmitting the signals to the receiver; and a controller attached to the sender for determining a selected parameter regarding the signals and for communicating the parameter to the user. The radio frequency sender is capable of transmitting signals over multiple frequencies and preferably operates with the Remote Band frequency range. At least one of the keys can be operable by the user to change the signal frequency or the controller can automatically change the signal frequency to a more effective frequency. The controller can be capable of identifying parameters regarding the signal such as the signal strength and is capable of polling information over one or more discrete time periods. Information regarding the signal can be communicated with a display such as a light.